

## CLAIMS

1. A call handling device for connecting a bluetooth enabled communications device to a communications network, the call handling device comprising:
  - 5 at least two bluetooth radios, each radio being capable of maintaining a bluetooth connection between the call handling device and the bluetooth enabled communications device;
  - 10 at least one port for connecting the call handling device to the communications network; and,
  - 15 a processor for controlling the bluetooth connections, the processor being adapted to:
    - monitor a first bluetooth connection maintained by the radio in use;
    - compare the first bluetooth connection to predetermined connection criteria; and,
    - if the first bluetooth connection does not meet the predetermined connection criteria, establish a new second bluetooth connection via a different radio.
2. A call handling device according to claim 1, wherein the processor is further adapted to break the first bluetooth connection.
3. A call handling device according to claim 2, wherein the processor is adapted to establish the new second connection by:
  - 25 selecting a different radio;
  - establishing the second connection; and,
  - breaking the first connection.
4. A call handling device according to claim 2, wherein the processor is adapted to establish the new second connection by:
  - 30 breaking the first connection;
  - selecting a different radio; and,
  - establishing the second connection.

5. A call handling device according to claim 3 or claim 4, wherein the processor  
is adapted to select a different radio by:  
temporarily establishing one or more second bluetooth connections, each  
second bluetooth connection being established via a respective different radio;
- 5 monitoring and comparing each established second bluetooth connection; and,  
selecting one of the second bluetooth connections in accordance with the  
result of the comparison.
- 10 6. A call handling device according to any of the preceding claims, wherein the  
processor monitors the signal strength of bluetooth connections.
7. A call handling device according to claim 6, wherein the predetermined  
connection criteria is a predetermined signal strength.
- 15 8. A call handling device according to any of the preceding claims, wherein the  
processor monitors the number of errors detected in the bluetooth connection.
9. A call handling device according to claim 8, wherein the predetermined  
connection criteria is a predetermined number of errors in a predetermined amount of  
20 time.
10. A call handling device according to any of the preceding claims, wherein the processor  
is adapted to maintain the connection between the call handling device and  
communications network whilst the second connection is established.
- 25 11. A call handling device according to any of the preceding claims, wherein the processor  
is adapted to establish the second connection using the bluetooth headset  
profile.
- 30 12. A call handling device according to any of the preceding claims, wherein the communications  
device comprises one of a bluetooth enabled headset, a bluetooth  
enabled phone, or a bluetooth enabled PDA with voice communication facilities.

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13. A call handling device according to any of the preceding claims, wherein the communications network is one of a PBX, PSTN, POTS or the Internet.